In addition, advance action for the following Hydro-electric projects has been initiated during the Ninth Plan:—

Projects under Survey and Investigation:

Sl.No.	Name of the Project	State	Installed capacity MW
1.	Parbati stage-II	H.P.	800
2.	Parbati stage-III	H.P.	501
3.	Parbati stage-I	H.P.	750
4.	Dihang Upper Scheme	Arunachal Pradesh	11000
5.	Dihang Middle Scheme	Arunachal Pradesh	700
6.	Dihang Lower Scheme	Arunachal Pradesh	1700
7.	Subansiri Upper Scheme	Arunachal Pradesh	2500
8.	Subansiri Middle Scheme	Arunachal Pradesh	2000
9.	Subansiri Lower Scheme	Arunachal Pradesh	2800
		TOTAL:	22751

T&D losses in Metropolitan Cities

5582. SHRI B.J. PANDA: Will the Minister of POWER be pleased to state:

(a) whether Government are aware of the increasing power losses at the Transmission and Distribution stages in Delhi and other metropolitan cities;

(b) if so, the reasons therefor;

(c) the quantum and monetary value of transmission and distribution losses during last five years; and

(d) the steps taken to reduce the T&D losses?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) to (c) The Transmission and Distribution (T&D) losses are assessed by the State Electricity Departments for a State as a whole. The T&D loss including both the technical and commercial loss as assessed by the concerned State Electricity Boards/ Electricity Departments for the last five years are given in the Statement (*See* below)

The reasons for high T&D losses are:

i. Weak and inadequate sub-transmission and distribution system.

ii. Improper load management resulting in over loading of the system.

iii. Poor quality of electrical appliances like Air-conditioners.

iv. Poor quality and inadequate maintenance of equipment.

v. Unmetered supply including pilferage and theft of energy.

(d) Power distribution falls within the purview of the State Governments and the activities pertaining the prevention of theft of electricity and removing of illegal connection have to be undertaken by the power utilities operating under their jurisdiction. Theft of electricity had been made a cognizable offence under the Indian Electricity Act, 1910 and the utilities have to effectively implement the provisions of the law to curb the theft of electricity.

Guidelines for Energy Audit and for reduction of transmission and distribution losses have already been issued which included:—

i. Installation of meters inside tamper proof meter boxes sealed with numbered seals.

ii. Setting up of Vigilance squads and conducting surprise raids to check theft of energy.

iii. Prosecution against persons found indulging in theft of energy.

In the Power Ministers' Conference held on 26.2.2000, it was resolved to reduce the T&D losses by energy audit, 100% metering, reduction of power theft, and strengthening/upgradation of sub-transmission and distribution system.

STATEMENT

Percentage Transformation ,Transmission and Distribution Losses (Including commercial Losses such as Pilferage etc.) in SEBs/EDs

REGION	SEBs/Eds	1993-94	1994-95	1995-96	1996-97	1997-98
NORTHERN REGION	1. HARYANA	25.00	30.80	32.39	32.77	33.04
	2. HIMACHAL PRADESH	18.31	18.21	16.09	18.02	19.20
	3. JAMMU & KASHMIR	45.69	48.74	47.52	48.27	47.48$
	4. PUNJAB	19.37	16.70	18.49	19.10	17.90
	5. RAJASTHAN	25.00	24.78	29.27	26.28	26.46
	6. UTTAR PRADESH	24.08	21.69	21.84	24.84	25.00
	7. CHANDIGARH	27.27	28.44	33.72	21.88	14.35
	8. DVB (DELHI)	31.79	34.56	48.57	49.08	46.86

REGION	SEBs/Eds	1993-94	1994-95	1995-96	1996-97	1997-98
WESTERN REGION	1. GUJARAT	20.34	20.02	20.08	17.14	19.66
	2. MADHYA PRADESH	20.26	19.61	17.84	19.24	19.08
	3. MAHARASHTRA	16.22	16.33	16.95	16.55	17.73
	4. D & N HAVELI	12.64	11.35	9.31	8.80	NA
	5. GOA	24.50	26.87	26.06	23.50	23.39
	6. DAMAN & DIU	22.34	16.30	12.80	8.15	11.27
SOUTHERN REGION	1. ANDHRA PRADESH	19.91	17.95	19.34	33.19	31.76
	2. KARNATAKA	19.55	19.41	19.06	18.73	18.56
	3. KERALA	20.00	20.05	21.12	20.59	17.87
	4. TAMIL NADU	17.18	17.11	16.19	17.65	17.00
	5. LAKSHADWEEP	16.99	17.84	17.23	15.11	15.83
	6. PONDICHERRY	15.80	15.00	16.54	17.38	13.79
EASTERN REGION	1. BIHAR	20.35	19.76	15.91	25.31	25.41
	2. ORRISA (GRIDCO)	22.43	23.03	24.17	50.15	NA
	3. SIKKIM	22.60	21.22	16.47	29.24	20.13
	4. WEST BENGAL	20.82	21.51	19.26	18.01	20.34
	5. A&N ISLS	23.71	22.38	19.25	19.15	20.51
NORTHERN EASTERN REGION	1.ASSAM	22.44	24.18	26.91	25.97	30.05
	2. MANIPUR	23.92	25.30	24.85	22.95	21.50$
	3. MEGHALAYA	18.03	18.47	12.55	19.75	17.93
	4. NAGALAND	33.45	36.12	35.17	26.81	29.50$
	5. TRIPURA	30.53	31.96	30.86	30.11	29.75
	6. ARUNACHAL PRADESH	42.04	45.30	37.12	32.62	30.99$
	7. MIZORAM	31.89	29.76	25.18	34.35	47.00$
ALL INDIA UTILITIES		21.41	21.13	22.27	24.53	24.44

SOURCE: DMLF DIVISION, CEA. (GENERAL REVIEW)

* DATA IS TENTATIVE AS REPORTED BY SEBs/EDs.

\# COMPUTED FIGURES.

$ AS REPORTED IN THE ANNUAL PLAN RESOURCES PAPER SUBMITTED TO PLANNING COMMISSION

NA— INFORMATION NOT YET FURNISHED BY THE SEB/ED

Special group for reforms in power sector

5583. SHRI B.J. PANDA: Will the Minister of POWER be pleased to state: